

£1,000 Scholarships – High Achievers

Criteria: - minimum of 3 8's and 3 7's in GCSE results

A LEVEL- ENROLMENT CRITERIA

5 grade 4s, including English Language and Maths

A-Levels: H11S

BTEC Lv3: S141

Subject	Refer to	GCSE Results /other requirements
Biology	Amin Ahmad	Grade 5 in Core & Add. Sciences and Maths OR if doing Separates Grade 5 in Biology, Chemistry, Physics and Maths.
Chemistry	John Hamlin	Grade 5 in in Core & Add Sciences and Maths (HT only) OR if doing Separates Grade 5 in Chemistry, one other science & Maths (HT only)
Computing	Steven Kearvell	Grade 5 in Maths
Physics	Steven Kearvell	Grade 5 in Maths and taking A Level Maths.
Pre-Medical	David Jones	If GCE choices are suitable for healthcare career then this can be chosen. Portfolio based – <u>one year course</u> .
Pre-Teaching	Jane Cotton	If considering teaching then this can be chosen.
BTEC Level 3 Sciences (Med/For/Gen. App.)	Neil Morley	5 x Grade 4s (to include Eng. Lang., Maths and Core & Add. Sciences)
BTEC Level 2 Sciences	Amran Mohammed	4 x Grade 3s (to include Eng. Lang. and Science)
BTEC Level 1 Sciences		4 x Grade 2s (to include Eng. Lang. and Maths)

BTEC Applied Science Level 3 Extended Diploma

- Q Validated by Edexcel
- Q Suitable for those students wishing to pursue a career in most industries where a scientist is essential: Research & development; Quality control; etc.
- Q Progression at university in a wide variety of areas in science e.g.: Human biology; civil engineering; biomedical science; aviation studies; pharmacology.
- Q Equivalent to 3 science A-levels.
- Q opportunity to choose a Medical or Forensic pathway.

A-level Biology

- Validated by Oxford, Cambridge & RSA
- This route for medical professions, environmental sciences and conservation studies.

A-level Chemistry

- Validated by Oxford, Cambridge & RSA
- A wide range of professions are possible.
- It is essential for further study into medicine, environmental science and pharmacy.

A-level Physics

- Validated by Oxford, Cambridge & RSA
- Further study in a range of physics disciplines including medical and astronomical.
- A good grounding for engineering, electronics and computing.
- it is unrivalled at providing analytical skills.

A-level Computing

- Validated by AEB, SEG & NEAB
- The ideal choice for those looking for a scientific exploration into the world of computing.
- A great foundation for progression into a range of engineering, science, ICT, computing degrees and game design.



Chemistry:

Ice-cream without the freezer

Step 1. Into a small zip-lock bag place:

- * 50ml of milk (about 4 1/2 tablespoons)
- * 1 level tablespoon of sugar (add more and it can be too sweet)
- * 2-3 drops of Flavouring (use dropping pipette).

Step 2. Ensure the bag is closed and fastened!
You don't want anything to get in or out of the bag.

Step 3. Into a large zip-lock bag place:

- * Ice flakes or cubes to 1/4 full
- * 3-4 heaped tablespoons of table salt.

Step 4. Place the small bag inside the large bag and ensure the large bag is also closed securely.

Step 5. Now just agitate the inner bag by holding the top corners of both bags and rocking the bags side to side until it takes on a soft but solid consistency.

Step 6. Remove the inner bag and taste your ice-cream.